(19) World Intellectual Property
Organization
International Bureau



543090

) (odile binder) il odili o kibik bolik bolik beki fili ili odilo bikol biko biko koli bibi boli bikoli okio kibi

(43) International Publication Date 5 August 2004 (05.08.2004)

PCT

(10) International Publication Number WO 2004/065527 A2

(51) International Patent Classification7:

C10G

(21) International Application Number:

PCT/SG2004/000014

(22) International Filing Date: 15 January 2004 (15.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PI 20030237

24 January 2003 (24.01.2003) MY

- (71) Applicant (for all designated States except US): TEOH, Eng, Soon [SG/SG]; 17 Oriole Crescent, Singapore 288610 (SG).
- (71) Applicant and
- (72) Inventor: TEOH, Eng-Chye [MY/MY]; 49 USJ 11/3D, 47630 Subang Jaya, Selangor Darul Ehsan (MY).
- (74) Agent: DREW & NAPIER LLC; 20 Raffles Place, #17-00 Ocean Towers, Singapore 048620 (SG).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR THE REMOVAL OF ORGANIC NITROGEN, ORGANIC AND INORGANIC CONTAMINANTS FROM AN AQUEOUS LIQUID

(57) Abstract: The present invention relates to methods for the removal of organic nitrogen, organic and inorganic contaminants from an aqueous liquid. More particularly, the present invention related to a process for the removal of organic and inorganic contaminants in a program introgen and all other organic and inorganic contaminants from wastewater and ground water by conducting a two stem method which includes the step of adding nitrosonium ion generator such as nitrous acid and nitrite in acidic media to remove organic nitrogen and followed by the step of adding hydrogen peroxide and activated carbon to remove all the other organic and inorganic contaminants.